

AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE

Before paragraph **[0001]**, add the heading --BACKGROUND OF THE INVENTION--.

Amend paragraph **[0001]** as follows:

[0001] -- The invention relates to a device for muscle stimulation ~~with the features of claim 1.~~--.

Before paragraph **[0007]**, add the heading --SUMMARY OF THE INVENTION--.

Amend paragraph **[0008]** as follows:

[0008] -- The object can be solved with a muscle stimulator ~~according to the features of claim 1~~ which includes a pulse generator unit for generating and transmitting an electric stimulation pulse, a control unit for controlling the pulse generator unit (9) for setting amplitude and frequency of the stimulation pulses and for causing stimulation pulses to be applied to a muscle to be stimulated, a detection unit for detecting the instantaneous, spontaneous or stimulated heart rhythm of the wearer of the device, a housing for receiving the pulse generator unit, the control unit and the detection unit, wherein a counting unit and a memory unit for counting and storing the number of stimulation pulses transmitted during a defined time interval, and a determination unit for determining an arithmetically averaged (mean) stimulation frequency within the definable time interval are provided, wherein the mean stimulation frequency is computed as the quotient of the stimulation pulses transmitted during the defined time interval and stored in the memory unit and the defined time interval in which the stimulation pulses are counted and stored.--

Delete paragraph **[0009]**.

Amend paragraph **[0010]** as follows:

[0010] -- The subject matter of ~~claim 4~~ the present invention is directed to a muscle stimulator with a pulse generator unit for producing and transmitting an electrical stimulation pulse, as well as a control unit for controlling the pulse generator unit. The amplitude, i.e., the stimulation voltage, the frequency, the temporal distribution of the stimulation pulses, the type and frequency of the support modes and the delay time relative to the R-spike, the day/night rhythm and the phase position of the stimulation pulse can be adjusted with the control unit. The stimulation pulses are transmitted from the control unit via wiring means to one or more muscles to be stimulated. The muscle stimulator according to the invention also includes a determination unit for determining the instantaneous, spontaneous or the stimulated heart rhythm of the wearer of the muscle stimulator. The determination unit measures the R-spike, which is used as a basis for triggering the stimulation pulse and for calculating the time delay between the R-spike of the heart rhythm and the stimulation burst. The pulse generator unit, the control unit, and the detection unit are housed in a common housing, which can be carried external to the patient's body or can be implanted in the patient's body.--.

Before paragraph **[0019]**, add the heading --BRIEF DESCRIPTION OF THE DRAWING--.

Before paragraph **[0024]**, add the heading --DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS--.

Pages 17, 18, delete completely.

Page 19, after the heading "CLAIMS" and before the first claim add --What is claimed is:--.